

Application No. 09/237,981
Reply to Office Action of 08/16/2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1 - 65. (Cancelled)

Claim 66 (currently amended): An isolated, purified antibody which binds to a polypeptide of a mammalian Del-1 ~~or a fragment of the polypeptide of said mammalian Del-1~~, wherein said mammalian Del-1 comprises an amino acid sequence as shown in a SEQ ID NO selected from the group consisting of: SEQ ID NO:10; SEQ ID NO:29; SEQ ID NO:30 and SEQ ID NO:31.

Claim 67 (previously presented): The antibody of claim 66 wherein the antibody specifically binds to an epitope of said mammalian Del-1.

Claim 68 (previously presented): The antibody of claim 66 wherein the antibody is selected from a group consisting of single chain, chimeric, Fab, F(ab')₂, and a fragment produced by an Fab expression library.

Claim 69 (previously presented): The antibody of claim 66 wherein the antibody is a polyclonal antibody.

Claim 70 (previously presented): The antibody of claim 66 wherein the antibody is a monoclonal antibody.

Claim 71 (previously presented): The antibody of claim 66 wherein said mammalian Del-1 is a human Del-1 comprising an amino acid sequence as shown in a SEQ IDs selected from the group consisting of: SEQ ID NO:30 and SEQ ID NO:31.

Claim 72 (previously presented): The antibody of claim 71 wherein said human Del-1 comprises the amino acid sequence as shown in SEQ ID NO:30.

Claim 73 (cancelled)

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Claim 74 (previously presented): The antibody of claim 71 wherein said human Del-1 comprises the amino acid sequence as shown in SEQ ID NO:31.

Claim 75 (previously presented): The antibody of claim 71 wherein the antibody specifically binds to an epitope of said human Del-1.

Claim 76 (previously presented): The antibody of claim 71 wherein the antibody is selected from a group consisting of single chain, chimeric, Fab, F(ab')₂, and a fragment produced by an Fab expression library.

Claim 77 (previously presented): The antibody of claim 71 which is a polyclonal antibody.

Claim 78 (previously presented): The antibody of claim 71 which is a monoclonal antibody.

Claim 79 (withdrawn): A method of using the antibody in claim 71 wherein the antibody is used to competitively inhibit the binding of said human Del-1 to alpha V beta 3.

Claim 80 (withdrawn): A method of using the antibody in claim 71 wherein the antibody is used to inhibit the activity of said human Del-1.

Claim 81 (withdrawn): A method of using the antibody in claim 71 wherein the antibody is used to isolate a cell expressing said human Del-1.

Claim 82 (withdrawn): A method of using the antibody in claim 71 wherein the antibody is used to detect a cell expressing said human Del-1.

Claim 83 (withdrawn): A method of using the antibody in claim 71 wherein the antibody is used to competitively inhibit the binding of a molecule to said human Del-1.

Claim 84 (withdrawn): A method of using the antibody in claim 71 wherein the antibody is linked to a cytotoxic agent.

Claim 85 (previously presented): A method of using the antibody in claim 71 wherein the antibody is linked to a radioisotope.

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Claim 86 (previously presented): A method of using the antibody in claim 71 wherein the antibody is anchored on a solid support.